

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Please type a plus sign (+) inside this box ☐

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p align="center">DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</p> <p><input type="checkbox"/> Declaration Submitted with Initial Filing <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (Surcharge (37 CFR 1.16(e)) required) OR</p>	Attorney Docket Number	ORT-1644
	First Named Inventor	DARROW
	<i>COMPLETE IF KNOWN</i>	
	Application Number	
	Filing Date	July 3, 2002
	Group Art Unit	
		Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HUMAN PRSS-11-LIKE S2 SERINE PROTEASE AND USES THEREOF
(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

DECLARATION - Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	
		<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status
		Patented Patented Patented

I hereby appoint:

☒ Practitioners at Customer Number **000027777** →

Place Customer
Number Bar Code
Label Here

AND

☐ Practitioner(s) named below:
Name Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Address all telephone calls to Myra H. McCormack at telephone number (732) 524-6932.

Direct all correspondence to: Customer Number ☒ or Bar Code Label **000027777** OR ☐ Correspondence address below

Name:

Address:

Address:

City:

State:

ZIP

Country

Telephone:

Fax:

I hereby declare that all statements made herein of my own knowledge are true and that all information and belief are believed to be true; and further that these statements were made that willful false statements and the like so made are punishable by fine or imprisonment, or U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) Andrew Lawrence

Family Name
or Surname DARROW

Inventor's
Signature *Andrew Darrow*

Date 10/60

Residence: City Lansdale

State PA

Country USA

Citizen

Mailing Address 783 Troxel Rd.

City Lansdale

State PA

ZIP 19446

Country

I hereby declare that all statements made herein of my own knowledge are true and that all information and belief are believed to be true; and further that these statements were made that willful false statements and the like so made are punishable by fine or imprisonment, or U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application issued thereon.

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) Jian-shen

Family Name
or Surname QI

Inventor's
Signature *Ji Shi Qi*

Date 10-16-

Residence: City Branchburg

State NJ

Country USA

Citizen

Mailing Address 7 Chippewa Trail

City Branchburg

State NJ

ZIP 08876

Country

I hereby declare that all statements made herein of my own knowledge are true and that all information and belief are believed to be true; and further that these statements were made with that willful false statements and the like so made are punishable by fine or imprisonment, or by U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application issued thereon.

NAME OF THIRD INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) Cailin

Family Name
or Surname CHEN

Inventor's
Signature *Cailin Chen*

Date Oct 16

Residence: City New Hope

State PA

Country USA

Citizen

Mailing Address 513 Clydesdale Drive

City New Hope

State PA

ZIP 18939

Country L

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF FOURTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any]) Patricia

Family Name
or Surname ANDRADE-GORDON

Inventor's
Signature

Patricia Andrade-Gordon

Date 10/16/02

Residence: City Doylestown

State PA

Country USA

Citizenship USA

Mailing Address 301 Windy Run

City Doylestown

State PA

ZIP 18901

Country USA

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF FIFTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any])

Family Name
or Surname

Inventor's
Signature

Date

Residence: City

State

Country

Citizenship

Mailing Address

City

State

ZIP

Country

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SIXTH INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name
(first and middle [if any])

Family Name
or Surname

Inventor's
Signature

Date

Residence: City

State

Country

Citizenship

Mailing Address

City

State

ZIP

Country

ORT1644



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DECEMBER 09, 2002

PTAS

JOHNSON & JOHNSON
PHILIP S. JOHNSON, ESQ.
CHIEF PATENT COUNSEL
ONE JOHNSON & JOHNSON PLAZA
NEW BRUNSWICK, NEW JERSEY 08933-7003

700021046A

700021046A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/05/2002

REEL/FRAME: 013282/0638

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DARROW, ANDREW LAWRENCE

DOC DATE: 10/16/2002

ASSIGNOR:
QI, JIAN-SHEN

DOC DATE: 10/16/2002

ASSIGNOR:
CHEN, CAILIN

DOC DATE: 10/16/2002

ASSIGNOR:
ANDRADE-GORDON, PATRICIA

DOC DATE: 10/16/2002

ASSIGNEE:
ORTHO-MCNEIL PHARMACEUTICAL, INC.
U.S. ROUTE 202
RARITAN, NEW JERSEY 08869

SERIAL NUMBER: 10189099
PATENT NUMBER:

FILING DATE: 07/03/2002
ISSUE DATE:

10/189099


013282/0638 PAGE 2

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

12/05/2002
700021046
RECORDATION FORM COVER SHEET
PATENTS ONLY

Commissioner of Patent and Trademarks:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Andrew Lawrence DARROW Jian-shen QI Cailin CHEN Patricia ANDRADE-GORDON Additional name(s) of conveying party(ies) attached? _ Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Ortho-McNeil Pharmaceutical, Inc. Street Address: U.S. Route 202 City: Raritan State: NJ Zip: 08869 Additional name(s) & address(es) attached? _ Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: 10/16/02			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) 10/189,099 Additional numbers attached? _ Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Philip S. Johnson, Esq. Chief Patent Counsel Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003		6. Total number of applications & patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account 8. Deposit Account Number: 10-0750/ORT-1644/MHM	
9. Statement and signature <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Myra H. McCormack Name of Person Signing  Signature <u>12/5/02</u> Date Total number of pages including cover sheet, attachments, and document: 6			




Mail documents to be recorded with required cover sheet information to:

Box Assignments
Commissioner of Patent and Trademarks
Washington, D.C. 20231

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Commissioner of Patent and Trademarks:

Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p style="text-align: center;">Andrew Lawrence DARROW Jian-shen QI Cailin CHEN Patricia ANDRADE-GORDON</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Ortho-McNeil Pharmaceutical, Inc.</p> <p>Street Address: U.S. Route 202</p> <p>City: Raritan State: NJ Zip: 08869</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>						
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 10/16/02</p>	<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No.(s) B. Patent No.(s)</p> <p style="text-align: center;">10/189,099</p> <p style="text-align: right;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>						
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p style="text-align: center;">Philip S. Johnson, Esq. Chief Patent Counsel Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, NJ 08933-7003</p>	<p>6. Total number of applications & patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Authorized to be charged to Deposit Account</p> <p>8. Deposit Account Number: 10-0750/ORT-1644/MHM</p>						
<p>9. Statement and signature</p> <p><i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i></p> <table style="width: 100%;"><tr><td style="width: 30%; text-align: center;">Myra H. McCormack</td><td style="width: 40%; text-align: center;"></td><td style="width: 30%; text-align: center;">12/5/02</td></tr><tr><td style="text-align: center;">Name of Person Signing</td><td style="text-align: center;">Signature</td><td style="text-align: center;">Date</td></tr></table> <p style="text-align: center;">Total number of pages including cover sheet, attachments, and document: 6</p>		Myra H. McCormack		12/5/02	Name of Person Signing	Signature	Date
Myra H. McCormack		12/5/02					
Name of Person Signing	Signature	Date					

Mail documents to be recorded with required cover sheet information to:

Box Assignments
Commissioner of Patent and Trademarks
Washington, D.C. 20231

DOCKET NO.
Joint Inventors

A S S I G N M E N T

Serial No.
Filed

WHEREAS, Andrew Lawrence DARROW, Jian-shen QI, Cailin CHEN, and Patricia ANDRADE-GORDON residing at 783 Troxel Road, Lansdale PA 19446, 7 Chippewa Trail Branchburg, NJ 08876, 513 Clydesdale Drive, New Hope, PA 18939, and 301 Windy Run, Doylestown, PA 18901 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

HUMAN PRSS-11-LIKE S2 SERINE PROTEASE AND USES THEREOF

for which they have executed an application for Letters Patent of the United States; and

WHEREAS, ORTHO-MCNEIL PHARMACEUTICAL, INC., a corporation of the State of NEW JERSEY, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

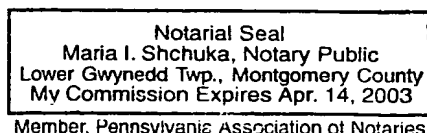
IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 16th day of October, 2002

Andrew Darrow (L.S.)
Andrew Lawrence DARROW

STATE OF Pennsylvania
COUNTY OF Montgomery) ss.

BE IT REMEMBERED, That on this 16th day of October, 2002 before me, a Notary Public, personally appeared Andrew Lawrence DARROW, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Maria I. Shchuka
Notary Public



And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

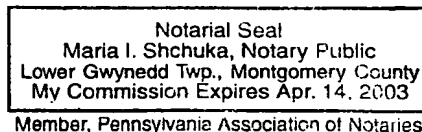
IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 16th day of Oct, 2002

J. S. Qi (L.S.)
Jian-shen Qi

STATE OF Pennsylvania
COUNTY OF Montgomery) ss.

BE IT REMEMBERED, That on this 16th day of Oct, 2002, before me, a Notary Public, personally appeared and Jian-shen Qi, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Maria I. Shchuka
Notary Public



And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

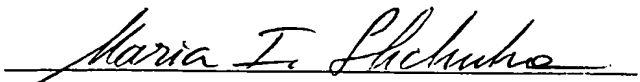
And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

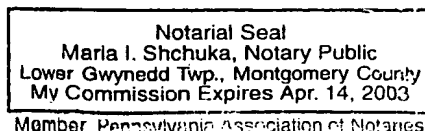
IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this 16 day of Oct, 2002


Cailin CHEN (L.S.)

STATE OF Pennsylvania
COUNTY OF Montgomery ss.

BE IT REMEMBERED, That on this 16th day of Oct., 2002, before me, a Notary Public, personally appeared Cailin CHEN, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.


Notary Public



And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this ~~October~~ day of 16 , 2002

Patricia Andrade-Gordon (L.S.)
Patricia ANDRADE-GORDON

STATE OF Pennsylvania
COUNTY OF Montgomery) ss.

BE IT REMEMBERED, That on this 16th day of Oct. , 2002, before me, a Notary Public, personally appeared and Patricia ANDRADE-GORDON, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Maria I. Shchuka
Notary Public

Notarial Seal
Maria I. Shchuka, Notary Public
Lower Gwynedd Twp., Montgomery County
My Commission Expires Apr. 14, 2003

Member, Pennsylvania Association of Notaries